

STEM Action Center Board Meeting Dec 16, 2015

**Idaho Capitol Building
Room WW17
12:00 – 4:00 p.m.**

KBOI Public Awareness Campaign

STEM Matters; 2016-17 Campaign

Why STEM Matters

A powerful, state-wide campaign to raise awareness and create engagement in Idaho STEM – the foundation for tomorrow's workforce.



Website – stem.idaho.gov

- January Launch
- Photos & Bios from Board Members needed
- RFP for full website FY16

e-Newsletter

- 1st Issue – Dec '15

Facebook

Launched 11/20/2015

75 likes

172 post reaches



<https://www.facebook.com/IdahoSTEMAC>



Version 1



Version 2



Mentor version 2

Review of Research Related to Utah



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Legislation related to Idaho STEM Action Center

- **Tax credit**
 - Moves STEM AC to an educational tax credit
 - Will be added to Idaho Code §63-3029A
 - **Board travel to STEM AC Meetings covered**
 - Clarifying that the travel costs of the Board is covered
 - Will be clarified in Idaho Code §67-825
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Additional Areas of Board Support

- **New science standards adoption**
 - Approved by State Board (Docket Number 08.02.03.1509)
 - Link to Board-adopted standards:
<https://www.sde.idaho.gov/site/science/docs/Idaho%20State%20Science%20Standards%20DRAFT2015.pdf>
 - Discussion related to:
 - Reasons to Support
 - Potential Issues
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Additional Areas of Board Support

- **Engineering and Computer Science Teaching Endorsement**
 - Nov 30 approved by state board of education (Docket Number 08.02.02.022 and 08.02.02.023)
 - Computer Science (6-12). Twenty (20) semester credit hours of course work in Computer Science, including course work in the following areas: data representation and abstraction; design, development, and testing algorithms; software development process; digital devices systems network; and the role of computer science and its impact on the modern world.
 - Engineering (6-12). Twenty (20) semester credit hours of engineering course work.
 - Could be effective by the end of session
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Future Actions for Support

- **Creation of computer science standards**
 - Working with SDE and Higher Education to draft standards for adoption by Board in Fall 2016 and presentation during 2017 session
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STEM Works and the Iowa Model

- **Purpose:** Vetting programs/projects for grants
 - By Idahoans, for Idahoans
 - **Who:** Based on the Iowa model, platform hosted by Change the Equation
 - **Link:** <http://changetheequation.org/stemworks>
 - **What:** Create a platform, call for RFPs and allow Idahoans to review them, select the top 5(?) for funding with PK12 grants
 - Keep innovative ideas category – this year's PK12 Grant model
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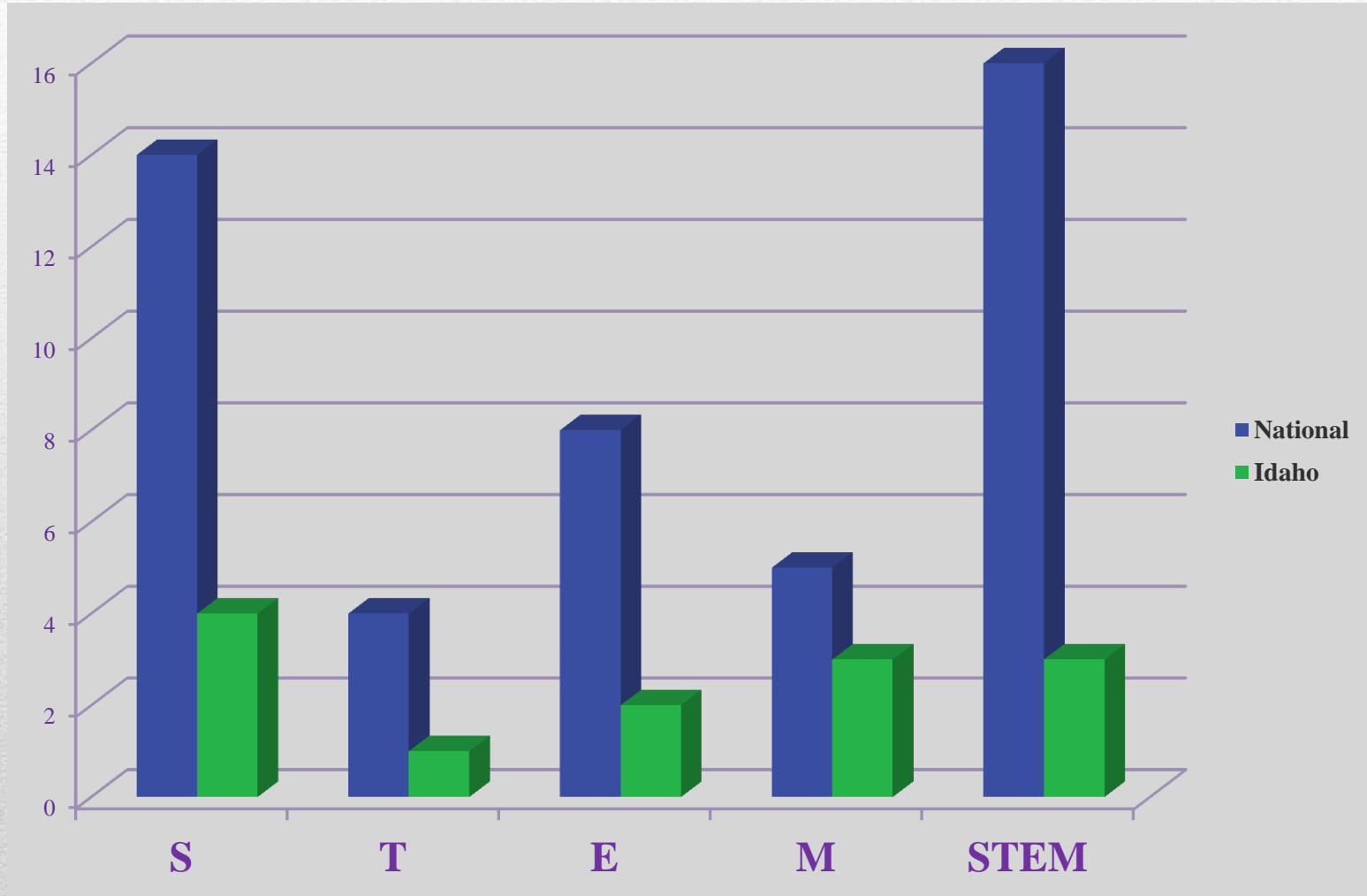
Center Spending 2015-2016

- **See Draft of 2015-2016 Spending**
 - Recognize saving and proposed new expenditures
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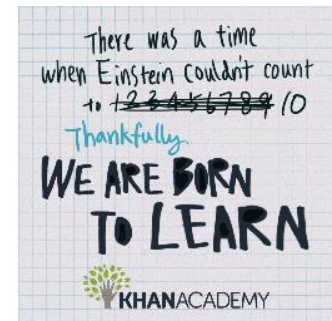
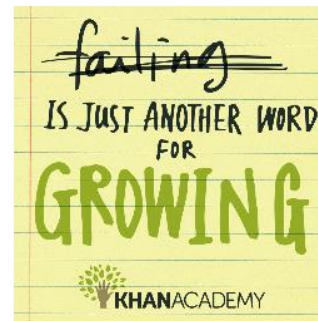
PK12 Grants

- We have received 50 grants totaling ~ \$100,000.
 - Contractor has been hired PT to assist with the following:
 - Recruit volunteer reviewers
 - Sort and send grants to reviewers
 - Collect individual reviewer information
 - Organize final scores and send final evaluation sheets to STEM AC
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Statewide Science/STEM Fair



LearnStorm



<https://www.khanacademy.org/youcanlearnanything>

FabSlam

NATIONAL 3D PRINTING COMPETITION FOR YOUTH

Idaho will be one of only five sites in the U.S.



GOALS

- Expose more youth to 3D printing
 - Build 3D printing expertise across the country
 - Provide youth with design cycle experience (design, market research, prototyping, iterating)
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